

SECTION 7: TEST PROCEDURES, STANDARDS, AND TEST EQUIPMENT

7.1 TEST PROCEDURES AND STANDARDS

Subject vehicles receive a visual inspection of emission-related components and a road test to detect cases of misfire in accordance with LAC 55:III.Chapter 8 (Appendix F). Legal authority for the vehicle emission program is provided by LA R.S. 32:1304 (Appendix B). Subject vehicles receive an Evaporative System Integrity test consisting of OBD testing and a Gas Cap Integrity test. The tests are conducted on all subject vehicles in accordance with the EPA procedures established in the most recent publication of the IM240 and Evap Technical Guidance (April 2000, EPA420-R-00-007) and the Performing OBD System Checks as Part of a Vehicle I/M Program (June 2001, EPA420-R-01-015). The requirement to conduct evaporative tests in accordance with established EPA procedures is in LAC 55:III.Chapter 8 (Appendix F).

7.2 TEST EQUIPMENT

Evaporative test equipment utilized in the I/M program meet the evaporative system equipment specifications established by the EPA in the most recent publication of the IM240 and Evap Technical Guidance and the Performing OBD System Checks as Part of a Vehicle I/M Program. Subject vehicles receive OBD testing and a Gas Cap Integrity test utilizing equipment that meets the EPA equipment specifications described in the referenced guidance documents. Data on OBD testing is collected on a real-time basis via wireless/modem that communicates with a VID according to 40 CFR 51.358. The vehicle owner or driver is provided with an inspection certificate as a record of test results.